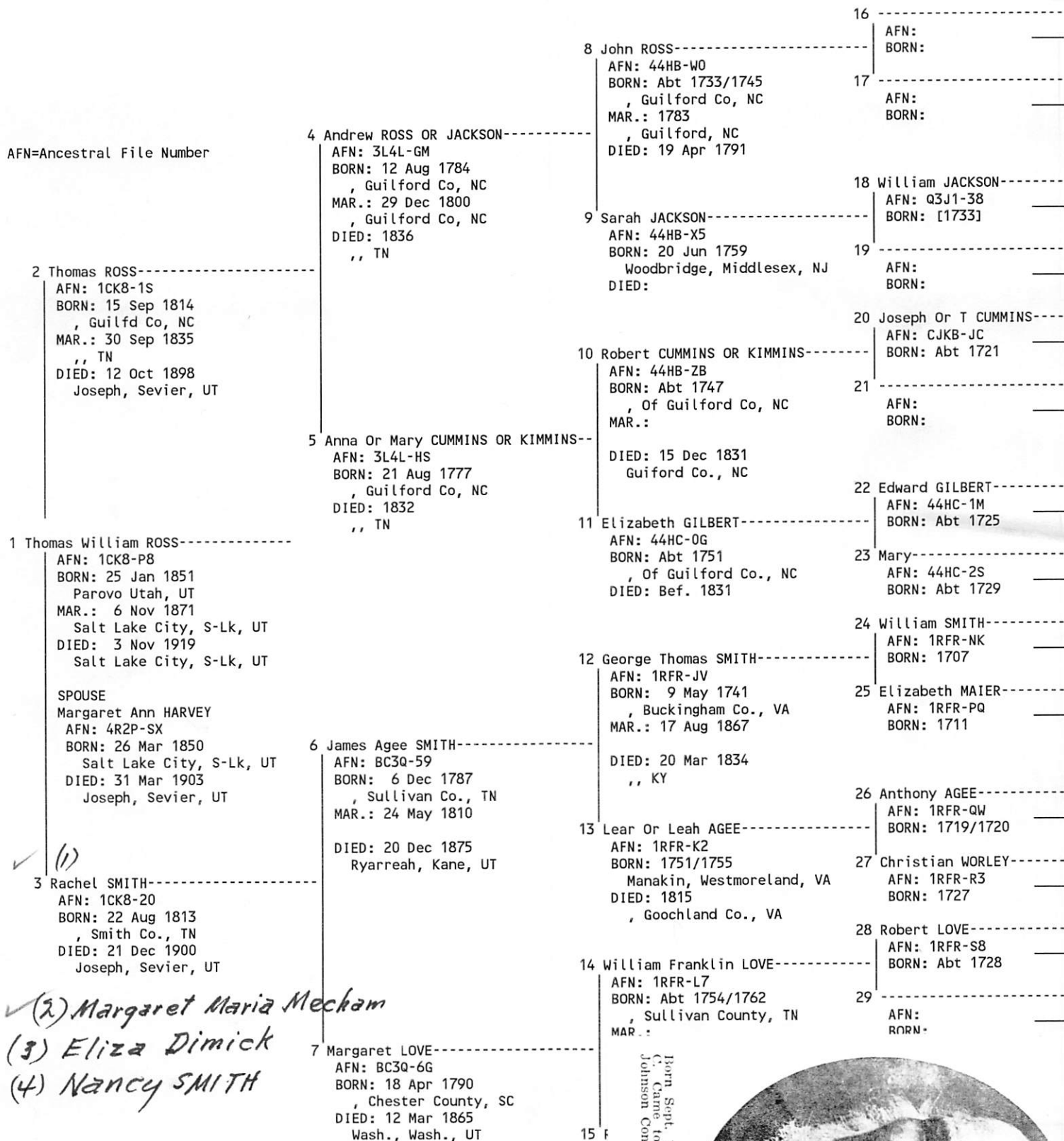


No. 1 on this chart is the same as no. _____ on chart no. _____

AFN=Ancestral File Number

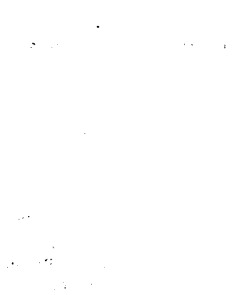


(c) $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
(d) $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
(e) $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

1. *Pharmaceutical industry* – The pharmaceutical industry is the largest of the three industries, with sales of \$10.5 billion in 1997. It is the only industry that has a significant presence in all three markets.

[illegible][illegible]

21: _____



1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Sponholz (1980). The total chlorophyll content was determined by the method of Arar and Cook (1980). The carotenoid content was determined by the method of Lichtenthaler and Sponholz (1980). The total carotenoid content was determined by the method of Arar and Cook (1980). The total protein content was determined by the method of Lowry et al. (1951). The total lipid content was determined by the method of Bligh and Dyer (1959). The total carbohydrate content was determined by the method of Dubois and Gilles (1950). The total nucleic acid content was determined by the method of Burton (1956). The total ash content was determined by the method of AOAC (1984). The total moisture content was determined by the method of AOAC (1984). The total dry matter content was determined by the method of AOAC (1984). The total organic acid content was determined by the method of AOAC (1984). The total alkaloid content was determined by the method of AOAC (1984). The total saponin content was determined by the method of AOAC (1984). The total tannin content was determined by the method of AOAC (1984). The total flavonoid content was determined by the method of AOAC (1984). The total phenolic content was determined by the method of AOAC (1984). The total terpenoid content was determined by the method of AOAC (1984). The total steroid content was determined by the method of AOAC (1984). The total glycoside content was determined by the method of AOAC (1984). The total alkaloid content was determined by the method of AOAC (1984). The total saponin content was determined by the method of AOAC (1984). The total tannin content was determined by the method of AOAC (1984). The total flavonoid content was determined by the method of AOAC (1984). The total phenolic content was determined by the method of AOAC (1984). The total terpenoid content was determined by the method of AOAC (1984). The total steroid content was determined by the method of AOAC (1984). The total glycoside content was determined by the method of AOAC (1984).

(continued from page 60)

the same time, it is important to note that the results are based on self-reported data, which may be subject to recall bias or social desirability bias. Furthermore, the study did not control for other factors that could influence the relationship between the variables.

In conclusion, the findings suggest that there is a positive correlation between the variables studied, but further research is needed to establish a causal link and to explore the underlying mechanisms.

The authors would like to thank the participants who took part in the study and the funding agency for their support.

References:

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1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

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HUSBAND: Thomas ROSS (AFN:1CK8-1S)

BORN: 15 Sep 1814 PLACE: , Guilfd Co, NC
CHR.: PLACE:
DIED: 12 Oct 1898 PLACE: Joseph, Sevier, UT
BUR.: 16 Oct 1898 PLACE: Joseph, Sevier, Utah
MAR.: 30 Sep 1835 PLACE: ,, TN

LDS ORDINANCE DATA

B: 2 Aug 1842
E: 21 Feb 1852
SP: 3 Mar 1943 AZ
SS: 3 Dec 1855

FATHER: Andrew ROSS OR JACKSON (AFN:3L4L-GM)

MOTHER: Anna Or Mary Ann CUMMINS OR KIMMINS (AFN:3L4L-HS)

OTHER WIVES: Margaret Maria MEACHAM (AFN:4512-M4) and 2 Others

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WIFE: Rachel SMITH (AFN:1CK8-20)

BORN: 22 Aug 1813 PLACE: , Smith Co., TN
CHR.: 30 Sep 1835 PLACE: ,, TN
DIED: 21 Dec 1900 PLACE: Joseph, Sevier, UT
BUR.: 24 Dec 1900 PLACE: Joseph, Sevier, UT

B: 2 Aug 1842
E: 21 Feb 1852
SP: 10 Jul 1887

FATHER: James Agee SMITH (AFN:BC3Q-59)

MOTHER: Margaret LOVE (AFN:BC3Q-6G)

OTHER HUSBANDS:

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Sex CHILDREN

1. NAME: James Andrew ROSS (AFN:1CK8-KK)

---- BORN: 20 Sep 1836 PLACE: , Gibson, TN

B: 1844

M CHR.: PLACE:

E: 12 Feb 1858

DIED: 26 Sep 1917 PLACE:

SP: 5 Mar 1843

BUR.: PLACE:

SPOUSE: Sarah Ann And Cummings Melinda A. SMITH (AFN:B8JL-Z1) and 3 Others

MAR.: (1 & 2) 6 Mar PLACE:

SS:

2. NAME: Margaret Ann ROSS (AFN:3HBM-39)

---- BORN: 3 Mar 1838 PLACE: , Gibson, TN

B: 1847

F CHR.: PLACE:

E: 6 Mar 1851

DIED: 2 Feb 1921 PLACE:

SP:

BUR.: PLACE:

SPOUSE: Sidney Rigdon CARTER (AFN:1FJ5-GN) and 2 Others

MAR.: 5 Mar 1857 PLACE:

SS:

3. NAME: Leah Lucinda ROSS (AFN:1CK8-MW)

---- BORN: 14 Jan 1842 PLACE: , Gibson Co., TN

B: 22 Sep 1877

F CHR.: PLACE:

E: 1 Mar 1869

DIED: 2 Dec 1912 PLACE: Joseph, Sevier, UT

SP: 5 Mar 1843

BUR.: 4 Dec 1912 PLACE: Joseph, Sevier, UT

SPOUSE: Sidney Rigdon CARTER (AFN:1FJ5-GN) and 1 Others

MAR.: 5 Mar 1857 PLACE: (In President's Office) Salt L, Salt Lake, UT

SS: 5 Mar 1857 EH

4. NAME: Mary Elizabeth ROSS (AFN:1CK8-N3)

---- BORN: 4 Mar 1845 PLACE: Hancock Co., IL

B: 1853 20 Jul

F CHR.: PLACE:

E: 13 Jul 1867

DIED: 22 Oct 1909 Age PLACE: Joseph, Sevier, UT

SP: 5 Mar 1843

BUR.: 24 Oct 1909 PLACE: Joseph, Sevier, UT

SPOUSE: Joseph Faulkner (Faulconer) PARKER (AFN:1MM7-54) and 1 Others

MAR.: 30 Jun 1861 PLACE: Heber, Wasatch, UT

SS: 13 Jul 1867 E

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Codes: AFN=Ancestral File Number

B=Baptized

E=Endowed

SS=Sealed to Spouse

SP=Sealed to Parents

*Thomas Ross
Rachel Smith*

HUSBAND: Thomas ROSS (AFN:1CK8-1S)

BORN: 15 Sep 1814

WIFE: Rachel SMITH (AFN:1CK8-20)

BORN: 22 Aug 1813

Sex CHILDREN (Continued)

LDS ORDINANCE DATA

5. NAME: Nancy Jane ROSS (AFN:1CK7-W5)

---- BORN: 11 Dec 1848 PLACE: , Pottawattamie Co., IA
F CHR.: PLACE:
DIED: 31 Oct 1936 PLACE: South Jordan, Salt Lake Co.
BUR.: 4 Nov 1936 PLACE: Heber City, Wasatch, UT
SPOUSE: Albert Eals MC MULLIN (AFN:19LS-T4)
MAR.: 15 Dec 1868 PLACE: Salt Lake City, Salt Lake, UT

B: 12 Aug 1877
E: 15 Dec 1868 EH
SP: 5 Mar 1843
SS: 15 Dec 1868 EH

6. NAME: Thomas William ROSS (AFN:1CK8-P8)

---- BORN: 25 Jan 1851 PLACE: Parovo Utah, UT
M CHR.: PLACE:
DIED: 3 Nov 1919 PLACE: Salt Lake City, S-Lk, UT
BUR.: 6 Nov 1919 PLACE: Joseph, Sevier, UT
SPOUSE: Margaret Ann HARVEY (AFN:4R2P-SX) and 1 Others
MAR.: 6 Nov 1871 PLACE: Salt Lake City, S-Lk, UT

B: 25 Jun 1859
E: 6 Nov 1871 EH
SP: 5 Mar 1843
SS: 6 Nov 1871 EH

7. NAME: Robert Francis ROSS (AFN:1CK8-QF)

---- BORN: 18 Oct 1853 PLACE: Provo, Utah Co., UT
M CHR.: PLACE:
DIED: 7 Jul 1940 PLACE: Joseph, Sevier Co., UT
BUR.: 9 Jul 1940 PLACE: Joseph, Sevier Co., UT
SPOUSE: Mary Eveline GAY (AFN:2R0Z-SR) and 1 Others
MAR.: 25 Dec 1873 PLACE: Kanosh, Mllrd., UT

B: 1866
E: 12 Feb 1876
SP: 5 Mar 1843
SS: 13 Feb 1878 MT

8. NAME: John Franklin ROSS (AFN:45K2-LL)

---- BORN: 15 May 1856 PLACE: Provo, Utah, UT
M CHR.: PLACE:
DIED: 13 Jul 1858 PLACE:
BUR.: PLACE:
SPOUSE:
MAR.: PLACE:

B: CHILD
E: CHILD
SP: 5 Mar 1843
SS:

9. NAME:

---- BORN: PLACE:
CHR.: PLACE:
DIED: PLACE:
BUR.: PLACE:
SPOUSE:
MAR.: PLACE:

B:
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SS:

10. NAME:

---- BORN: PLACE:
CHR.: PLACE:
DIED: PLACE:
BUR.: PLACE:
SPOUSE:
MAR.: PLACE:

B:
E:
SP:
SS:

Codes: AFN=Ancestral File Number

B=Baptized

E=Endowed

SS=Sealed to Spouse

SP=Sealed to Parents

Thomas Ross

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HUSBAND: Thomas ROSS (AFN:1CK8-1S)

BORN: 15 Sep 1814

WIFE: Rachel SMITH (AFN:1CK8-20)

BORN: 22 Aug 1813

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LDS ORDINANCE DATA

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HUSBAND: Thomas ROSS (AFN:1CK8-1S)

SPOUSE: Margaret Maria MEACHAM (AFN:4512-M4)

MAR.: 3 Dec 1855 PLACE: Provo, Utah, UT

SS: 17 Aug 1867 EH

SPOUSE: Eliza DIMICK (AFN:B8JL-KX)

MAR.: PLACE:

SS: 14 Mar 1858 PO

SPOUSE: Nancy SMITH (AFN:B8JL-L4)

MAR.: PLACE:

SS: 17 Aug 1867 EH

CHILD 1: James Andrew ROSS (AFN:1CK8-KK)

SPOUSE: Sarah Ann SMITH (AFN:JJF0-HK)

MAR.: 6 Mar 1857 PLACE:

SS:

SPOUSE: Melinda Ann CUMMINGS (AFN:JJF0-JQ)

MAR.: 6 Mar 1857 PLACE:

SS:

SPOUSE: Catherine Elnora ANDERSON (AFN:B8JM-05)

MAR.: 25 May 1879 PLACE:

SS:

CHILD 2: Margaret Ann ROSS (AFN:3HBM-39)

SPOUSE: Sidney Rigdon CARTER (AFN:C7XK-VK)

MAR.: 6 Mar 1857 PLACE:

SS:

SPOUSE: Sidney Rigdon CARTER (AFN:BMC4-3T)

MAR.: PLACE:

SS:

CHILD 3: Leah Lucinda ROSS (AFN:1CK8-MW)

SPOUSE: Sidney Rigdon CARTER (AFN:C7XK-VK)

MAR.: 6 Mar 1857 PLACE:

SS:

CHILD 4: Mary Elizabeth ROSS (AFN:1CK8-N3)

SPOUSE: Joseph Faulconer PARKER (AFN:JJF0-KW)

MAR.: 30 Jun 1861/1867 PLACE:

SS:

CHILD 6: Thomas William ROSS (AFN:1CK8-P8)

SPOUSE: Maria Lambert WOODBURY (AFN:3HBM-0R)

MAR.: 10 Feb 1909 PLACE: Salt Lake City,, UT

SS: 10 Feb 1909

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Codes: AFN=Ancestral File Number B=Baptized E=Endowed SS=Sealed to Spouse SP=Sealed to Parents

Thomas Ross

=====

HUSBAND: Thomas ROSS (AFN:1CK8-1S)

BORN: 15 Sep 1814

WIFE: Rachel SMITH (AFN:1CK8-20)

BORN: 22 Aug 1813

=====

OTHER MARRIAGES (Continued)

LDS ORDINANCE DATA

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CHILD 7: Robert Francis ROSS (AFN:1CK8-QF)

SPOUSE: Maria Elnora GAY (AFN:4TQ9-2P)

MAR.: 30 Apr 1890

PLACE: Manti, Snpt. Co., UT

SS: 30 Apr 1890

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Codes: AFN=Ancestral File Number B=Baptized E=Endowed SS=Sealed to Spouse SP=Sealed to Parents

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Thomas Ross



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